

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Madison et al.  
Serial No.: 10/099,700  
Filed: March 13, 2002  
For: **NUCLEIC ACID MOLECULES  
ENCODING A TRANSMEMBRANE  
SERINE PROTEASE 7, THE  
ENCODED POLYPEPTIDES AND  
METHODS BASED THEREON**  
Art Unit: 1645

CERTIFICATE OF MAILING BY "EXPRESS  
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**EL870639812US**

Date of Deposit May 24, 2002

I hereby certify that this paper is being deposited  
with the United States Postal "Express Mail Post  
Office to Addressee" Service under 37 C.F.R.

§1.10 on the date indicated above and  
addressed to:

Commissioner for Patents

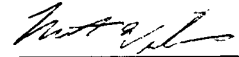
Box Missing Parts

P.O. Box 2327,

Arlington, VA 22202, on this date.

05/24/2002

Date



Robert Wickman

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

Commissioner for Patents  
Box Missing Parts  
P.O. Box 2327,  
Arlington, VA 22202

Sir:

In response to the Notice to File Missing Parts mailed **April 24, 2002**, the  
following documents are submitted herewith:

- 1) A copy of the Notice to File Missing Parts;
- 2) Two (2) executed Declaration(s) for Patent Application;
- 3) Two (2) Assignments from the inventors to **Corvas International, Inc.**  
along with a Recordation Form Cover Sheet;
- 4) Executed Verified Statement Pursuant to 37 § C.F.R. 1.821(f);
- 5) Computer Readable Form (CRF) of Sequence Listing;
- 6) A check in the amount of \$105 which includes the \$65 small entity  
surcharge and \$40 assignment recordation fee;
- 7) Return postcard.

**U.S.S.N. 10/099,700**

**Madison et al.**

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,  
HELLER EHRMAN WHITE & McAULIFFE LLP

By: \_\_\_\_\_

Stephanie Seidman  
Registration No. 33,779

Attorney Docket 24745-1613

**Address all correspondence to:**

HELLER EHRMAN WHITE & McAULIFFE LLP

4350 La Jolla Village Drive, 7th Floor

San Diego, California 92122-1246

Telephone: (858) 450-8400

Facsimile: (858) 587-5360

E-mail: sseidman@HEWM.com

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MP

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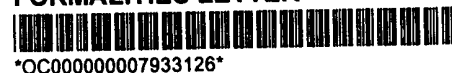
## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/099,700	03/13/2002	Edwin Madison	24745-1613

CONFIRMATION NO. 4309

## FORMALITIES LETTER



\*OC000000007933126\*

Stephanie Seidman  
Heller Ehrman White & McAuliffe LLP  
7th Floor  
4350 La Jolla Village Drive  
San Diego, CA 92122

Date Mailed: 04/24/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Items Required To Avoid Processing Delays:06/07/2002 MBIZUNES 00000010 10099700  
01 00:205

65.00 gp

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is \$65 for a Small Entity

- \$65 Late oath or declaration Surcharge.

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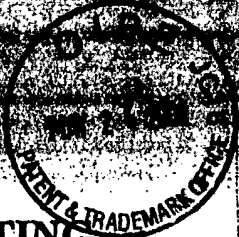
*A copy of this notice MUST be returned with the reply.*

  
\_\_\_\_\_  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**RAW SEQUENCE LISTING**  
**ERROR REPORT**



BIOTECHNOLOGY  
SYSTEMS  
BRANCH



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ORIGINALLY FILED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/099,700  
Source: OPE  
Date Processed by STIC: 4/3/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

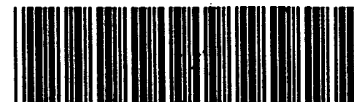
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



**Does Not Comply**  
**Corrected Diskette Needed**

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/099,700

DATE: 04/03/2002  
TIME: 14:38:32

Input Set : A:\1613seq.001  
Output Set: N:\CRF3\04032002\J099700.raw

3 <110> APPLICANT: Edwin L. Madison  
4 Edgar O. Ong  
6 <120> TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE  
PROTEASE 7, THE  
7 ENCODED POLYPEPTIDES AND METHODS BASED THEREON  
9 <130> FILE REFERENCE: 24745-1613  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/099,700  
C--> 12 <141> CURRENT FILING DATE: 2002-03-13  
14 <150> PRIOR APPLICATION NUMBER: 60/275,592  
15 <151> PRIOR FILING DATE: 2001-03-13  
17 <160> NUMBER OF SEQ ID NOS: 22  
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0

#### ERRORED SEQUENCES

983 <210> SEQ ID NO: 21  
984 <211> LENGTH: (35) → Input 35, counted 36!  
985 <212> TYPE: DNA  
986 <213> ORGANISM: Artificial Sequence  
988 <220> FEATURE:  
989 <223> OTHER INFORMATION: Primer  
991 <400> SEQUENCE: 21  
E--> 992 attcgcggcc gcctacatac cagtctttga ggcaat

(35)

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/099,700

DATE: 04/03/2002  
TIME: 14:38:33

Input Set : A:\1613seq.001  
Output Set: N:\CRF3\04032002\J099700.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:992 M:254 E: No. of Bases conflict, LENGTH:Input:35 Counted:36 SEQ:21  
L:992 M:252 E: No. of Seq. differs, <211>LENGTH:Input:35 Found:36 SEQ:21